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Spectrophotometric Assay of Carbon Monoxide and Nitric Oxide Hemoglobin.

Grant #661R2

A continuous recording polarographic apparatus for measuring hemoglobin oxygen dissociation is being set up, for examination of the effect of carbon monoxide and nitric oxide on oxygenation.

Primary population groups for study include homozygous and heterozygous examples of hemoglobin S and hemoglobin C, anemia, pregnancy, and ageing.

Human myoglobin has been isolated and crystallized, and its physiologic properties are under study. This is especially concerned with the linked interaction between oxygenation or carbon monoxide binding and an unidentified low MW ligand normally present in muscle extracts.

Current Grant Level: $16,192.

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Source: https://www.industrydocuments.ucsf.edu/docs/ytmk0000